

Amphenol®



HELIOS H4

Industrial Operations (AIO) offers products and solutions for all segments of the solar electric system. AIO understands the need for efficient (low loss) power transfer, highly reliable, and cost effective solutions that are required to be competitive in this industry. We can provide panel manufacturers, installers, and OEM's with connectivity products for both thin film and crystalline silicon technologies. **Amphenol** has a broad range of technologies to help minimize the cost of inverters and power conditioners. **Amphenol** Industrial can help you power the planet with the sun. The Helios H4 connector is just one of the solar connector solutions **Amphenol** Industrial has to offer.

H4 Features:

- Fully intermateable with industry standard
- Meets all new NEC 2008 requirements
- Quick and easy secure snap lock mating
- Simple unlocking tool meets NEC requirements
- Long-term UV and Ozone resistance
- Highest current rating in industry
- RoHS compliant
- Complete Cable Assemblies available
- Low contact resistance means low power loss
- Ready for field assembly
- No assembly required, no small parts to lose



Solar Connector

Technical Specifications

Technical Data

Rated current	36A(2.5mm ² ,AWG14),45A(4.0mm ² ,AWG12),52A(6.0mm ² ,AWG10)
Rated voltage	1000V (IEC)
	600V (UL)
Typical contact resistance	0.25mΩ
Contact material	copper, tin plated
Insulation material	PBT
Locking system	snap-lock, special unlock tool required to un-mate
Degree of protection, mated	IP68
Insulation materials flamability class	UL94-V0
Cable strain relief according to	DIN V VDE 0126-3
Ambient temperature range	-40°C --- +90°C (IEC)
Contact system	Amphenol RADSOK [®] , machined/cold formed contact with lamellar contact grid, barrel crimp.

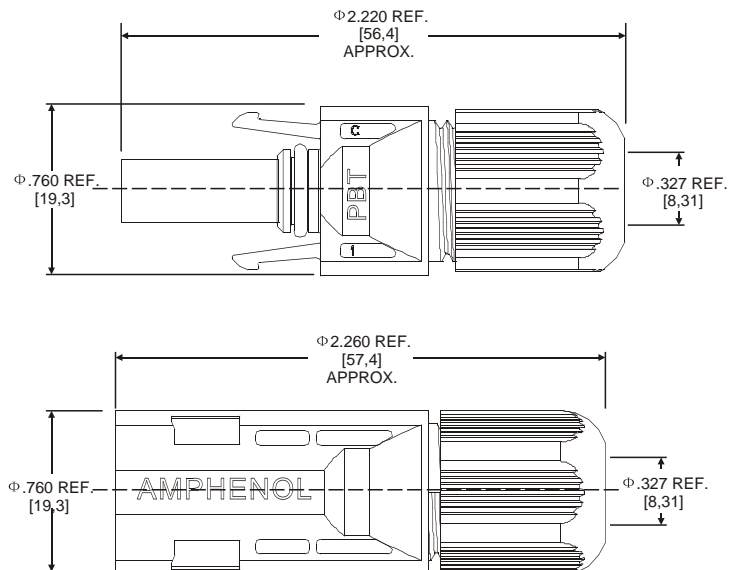


Ordering information

Part No.	Description	Wire range
PV-090506-000	H4 Cable Connector, Mated Pair	6.0mm ² /AWG10
PV-090507-000	H4 Cable Connector, Mated Pair	2.5mm ² /AWG14
PV-090508-000	H4 Cable Connector, Mated Pair	4.0mm ² /AWG12



UL approval in process



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